

CLAIM AMENDMENTS

1 1. (currently amended) A motor-vehicle antenna
2 comprising:
3 a monopole formed by a rigid circuit-board having a
4 conductive trace;
5 means including a socket for connecting a coaxial cable
6 to the monopole; and
7 a ground plane formed of rigid sheet metal or a circuit
8 board, formed with an edge flange, and fixed to the monopole.

1 2. (original) The motor-vehicle antenna defined in
2 claim 1 wherein the monopole and the ground plane are permanently
3 bonded together.

3. (canceled)

1 4. (currently amended) The motor-vehicle antenna
2 defined in claim [[3]] 1 wherein the monopole is fixed to the edge
3 flange.

1 5. (original) The motor-vehicle antenna defined in
2 claim 1 wherein both the ground plane and monopole are
3 substantially planar and extend generally perpendicular to each
4 other.

1 6. (currently amended) ~~The motor-vehicle antenna defined~~
2 ~~in claim 1 wherein the socket includes~~ A motor-vehicle antenna
3 comprising:

4 a monopole formed by a rigid circuit-board having a
5 conductive trace;

6 means including a socket having jaws crimpable to the
7 coaxial cable for connecting a coaxial cable to the monopole; and

8 a ground plane formed of rigid sheet metal or a circuit
9 board and fixed to the monopole.

1 7. (original) The motor-vehicle antenna defined in
2 claim 6 wherein the socket is fixed to the monopole or to the
3 ground plane.

1 8. (original) The motor-vehicle antenna defined in
2 claim 6 wherein the ground plane is made of sheet metal and the
3 socket is unitarily formed with the ground plane.

1 9. (currently amended) ~~The motor-vehicle antenna defined~~
2 ~~in claim 1, further comprising~~ A motor-vehicle antenna comprising:

3 a monopole formed by a rigid circuit-board having a
4 conductive trace;

5 means including a socket for connecting a coaxial cable
6 to the monopole;

7 a ground plane formed of rigid sheet metal or a circuit
8 board and fixed to the monopole; and

9 a splitter having a pair of inputs connectable via
10 respective coaxial cables to two such monopoles and an output
11 connectable to a receiver.

1 10. (currently amended) ~~The motor-vehicle antenna~~
2 ~~defined in claim 1, further comprising~~ A motor-vehicle antenna
3 comprising:

4 a monopole formed by a rigid circuit-board having a
5 conductive trace;

6 means including a socket for connecting a coaxial cable
7 to the monopole;

8 a ground plane formed of rigid sheet metal or a circuit
9 board and fixed to the monopole; and

10 a splitter having a pair of outputs connectable via
11 respective coaxial cables to two such monopoles and an input
12 connectable to a transmitter.

1 11. (currently amended) ~~The motor-vehicle antenna~~
2 ~~defined in claim 1, further comprising~~ A motor-vehicle antenna
3 comprising:

4 a monopole formed by a rigid circuit-board having a
5 conductive trace;

6 means including a socket for connecting a coaxial cable
7 to the monopole;

8 a ground plane formed of rigid sheet metal or a circuit
9 board and fixed to the monopole; and

10 a splitter having a printed-circuit board and two sockets
11 connectable via respective coaxial cables to two such monopoles and
12 another socket connectable to transmitter or receiver.

1 12. (original) The motor-vehicle antenna defined in
2 claim 11 wherein the splitter further comprises

3 a housing holding the printed-circuit board of the
4 splitter.

1 13. (original) A motor-vehicle antenna comprising:

2 a monopole formed by a rigid circuit-board having a
3 conductive trace;

4 means including a socket for connecting a coaxial cable
5 to the monopole; and

6 a ground plane formed of rigid sheet metal, having an
7 edge flange fixed to the monopole, and extending generally
8 perpendicular to the monopole.

1 14. (original) The motor-vehicle antenna defined in
2 claim 13 wherein the flange is formed with a slot into which the
3 board is set.

1 15. (original) The motor-vehicle antenna defined in
2 claim 13 wherein the flange is unitarily formed with the socket.